Avian Diseases Index, 1994

Author Index

A

Abel, J. 816
Afshar, Ahmad 694
Ainsworth, A. J. 542
Allan, Brenda J. 708
Annadata, Madhusudhan 244
Anthony, N. B. 610
Aoyama, S. 772
Arenas, A. 371
Arizmendi, Francisco 822
Arp, L. H. 225
Astorga, R. J. 371
Augustine, P. C. 538
Avellaneda, G. E. 589
Ayling, R. 341
Azwai, Salim M. 616

B

Bacon, Larry D. (L. D.) 65, 262, 800
Bai, Yisheng 557
Bailey, J. S. 583
Baldridge, A. 755
Balog, J. M. 744
Banerjee, M. 873
Barnes, H. John 563, 572
Bayyari, G. R. 744, 887
Beasley, J. N. 744, 887
Beckman, B. J. 660
Beier, R. C. 297
Belzer, S. W. 16
Bengoa, A. 922
Bickford, A. A. 188
Blackall, P. J. 269, 361, 672
Blanco, A. 647
Bloom, S. E. 797
Blumenkranz, R. 879
Bounous, Denise I. 127, 135, 861
Bower, R. K. 610
Bowman, D. D. 418
Boyle, Carolyn R. 847, 857
Branton, S. L. 542
Brée, Annie 231
Breeding, S. W. 366
Briones, V. 922
Brown, John 127, 135, 141, 146, 358, 861
Brown, Thomas P. 50, 184
Bucala, Richard 1
Bull, R. W. 446
Burnstein, T. 548
Bush, P. B. 172

C

Cabañes, F. J. 454
Cadman, Hilary F. 616, 621
Caldwell, D. J. 461
Calnek, B. W. 797
Calvert, Jay G. (J. G.) 165, 800
Campagnoli, R. P. 635
Camus, A. C. 666
Capua, Ilaria 642
Carmichael, K. Paige 790
Carr, L. E. 293
Carranza, J. 647
Carrasco, L. 647
Carter, Stuart D. 616
Cason, J. A. 583
Cawthraw, S. 341
Chanteloup, Nathalie 231
Charlton, B. R. 188
Cheng, I-Hsin (I-H. N.) 304, 790
Chin, R. P. 177, 630, 635
Chitauro, Daniel 626
Cho, D.-Y. 666
Cicnjak-Chubbs, Lidija 317
Clark, F. D. 390
Converse, K. A. 899
Cook, Mark E. (M. E.) 44, 557
Cookson, K. C. 914
Cooper, G. L. 188
Corino, G. L. 103
Corrier, D. E. 59, 256, 275, 297, 461, 598
Cox, N. A. 583
Craven, Stephen E. 401
Creger, C. R. 256
Crowell, W. A. 515
Cubero, M. J. 371
Cuadradas, C. 454
Cushion, Melanie T. 1

D

Daum, Robert S. 762
Davelaar, Frans 621, 626
Davis, S. W. 393
DeBey, M. C. 660
DeLoach, John R. (J. R.) 59, 256, 275, 297, 461, 598
Derbyshire, J. Brian 467
Derijcke, Jef 483
Desautels, Clarisse 231
Dho-Moulin, Maryvonne 231
Diaz, G. J. 308
Dick, J. W. 354
Dikanifura, Mildred 616
Docherty, D. E. 899
Dozois, Charles M. 231
Droleskey, R. E. 275
Dreesen, David W. 50
Droual, R. 177, 630

E

Ebel, E. 37
Edwards, G. H. 701
Emory, William H. 563
Espada, Y. 454

F

Fairbrother, John M. 231
Fattom, Ali 762
Fedynich, Alan M. 885
Ferket, P. R. 366
Ferrer, L. 197
Fernández, A. 647
Ficken, Martin D. (M. D.) 366, 563
Fitzgerald, S. D. 78, 873
Fletcher, O. J. 393
Fondevila, D. 197
Frame, D. D. 390
Fredericksen, T. 755
Freese, Stephen 762
Fukata, T. 59
Fukuda, M. 839

G

García, M. 494
Gates, Robert J. 317
Gatti, Antonio 642
Gazdzinski, P. 379
Gibbs, Penelope S. 127, 141, 475
Giddings, Catherine W. 146
Glick, B. 354
Glisson, John R. (J. R.) 72, 304, 334, 506, 790
Goll, Frederick, Jr. 905
Gómez-Villamandos, J. C. 647
Goodwin, Mark A. (M. A.) 358, 376, 701, 861
Gorham, S. L. 816
Gorman, J. J. 103

Gough, Brenda C. 467
Gough, Richard E. 642
Grewal, G. S. 910
Grimes, James E. 822
Grix, D. C. 103
Guy, James S. 563, 572

H

Haddad, E. E. 755
Hafner, W. S. (Scott) 515, 605
Hall, C. I. 393
Hall, S. Mark 605
Halvorson, D. A. 93
Hansen, W. R. 899
Hargis, B. M. 59, 256, 275, 329, 461
Harmon, Barry G. 605, 790
Hayashi, Y. 772
Heckert, Robert A. 694
Henzler, D. J. 37
Hervás, J. 647
Higgins, K. F. 738
Hill, D. L. 393
Hinton, A., Jr. 256
Hirai, H. 201
Hodder, A. N. 103
Hoepf, T. M. 151
Hoffman, Lorraine, J. 895
Holland, M. S. 446
Hollister, A. G. 297
Hoshi, Sumio (S.) 251, 289
Howe, C. W. 660
Huff, W. E. 744, 887
Huffman, E. L. 225
Hurley, D. J. 738
Hyakutake, Kouji 810

I

Imamura, Tomomi 810
Inoue, M. 839
Iritani, Y. 269, 772

J

Jack, S. W. 325, 548
Jackwood, D. J. 531
Jackwood, Mark W. (M. W.) 50, 218, 475, 589
Jackwood, R. J. 531
Jaeger, L. A. 329
Janes, M. E. 610
Jeffrey, J. S. 630, 635
Jensen, Neil S. 895
Johnson, T. J. 738
Johnson, Z. B. 158
Joseph, S. W. 293
Josephson, Gaylan K. A. 193
Julian, R. J. 308, 379

K

Kadavil, K. 816
Kamimura, R. 240
Kamogawa, K. 772
Karakawa, Walter 762
Kaspers, B. 262
Kato, A. 251
Kelly, Patrick J. 616, 621, 626
Key, Douglas W. 467
Khan, Mazhar I. 119
Kichou, Faouzi 11
Kijima, Mayumi 282
King, Daniel J. (D. J.) 589, 725
Klein, D. R. 653
Kleven, Stanley H. (S. H.) 475, 494
Klink, Paul R. 501
Kobayashi, K. 201
Kodihalli, S. 93
Kogut, M. H. 59
Kradel, D. 37

L

Lambert, H. 816
Langheinrich, K. A. 78
Latimer, K. S. 635
Law, J. M. 666
Leach, R. M. 44
Lee, Margie D. 72
León, L. 371
Lelli, Rossella 642
Leong, Veronica Y. 304
Lillehoj, H. S. 262
Lin, Z. 251
Linares, J. A. 188
Linke, Michael J. 1
Liu, Z.-Y. 103
López, M. B. 922
Lu, Zhiqiang 119
Lumbert, L. A. 78
Lumeij, J. T. 428, 435
Lütticken, D. 701

M

Mackenzie, C. D. 446
Magee, Danny L. 847, 861
Majó, N. 197
Majok, Aggrey 626
Maldonado, A. 371
Malkinson, M. 879
Mallinson, E. T. 293
Mancassola, Roselyne 832
Manning, J. G. 256, 329
Martin, A. 262
Maslin, William R. 847
Mason, J. 37
Mason, Peter R. 621, 626
Matsubara, F. 772
May, J. D. 542
McClimon, L. B. 354
McCormick, Janet 409
McElroy, A. P. 329
McMurray, Birch L. 861
McRee, W. A. 366
Meir, R. 879
Mendes, Susan 790
Mengel-Whereat, S. A. 701
Meteyer, C. U. 630
Miller, R. G. 293
Miller, T. K. 418
Mitchell, Bailey W. 725
Mitsubayashi, S. 240
Miyano, K. 839
Mol, J. A. 428, 435
Molad, T. 879
Montgomery, Roy D. 847
Moore, F. R. 797
Moore, Kristi M. 50, 218
Moore, Melody K. 317
Morgan, Ronald L. 733
Mori, H. 772
Morrow, C. J. 103
Murray, L. 755
Musonda, M. M. 201
Mutalib, Ahmed 857
Mutoh, Ken-ichiro 810
Myers, Davis J. 694

N

Naciri, Muriel 832
Nagamine, Noriyuki 282, 717
Nagaraja, K. V. 93
Nagasawa, Yoji 289
Nagy, Éva 467
Nakamura, Masayuki 282, 717
Nakamura, Toshihiro (T.) 251, 289
Nakazawa, H. 772
Naqi, S. 16
Nazerian, Keyvan 165
Neiger, R. D. 738
Nestor, K. E. 33
Newell, D. G. 341
Nguyen, Anh V. 119
Niagro, F. D. 635
Nielsen, Peder Bo 1
Nisbet, David J. (D. J.) 297, 598
Niyo, Y. 660
Nolan, Lisa K. 127, 141, 146
Nordgren, R. M. 16
Nordhausen, R. W. 635
Norman, G. W. 899
Norton, R. A. 744, 887
Novilla, M. N. 653
Nuijten, P. 341

Nunnally, Jean C. 790
Nunoya, T. 251

O

Oliver, J. L. 666
Opara, O. O. 293
Orth, M. W. 44
Otaki, Y. 251
Owen, L. 755
Oyofo, B. A. 275

P

Page, R. K. 393
Pandey, G. S. 201
Panigrahy, Brundaban (B.) 733, 873
Patterson, R. A. 33
Paulsen, D. P. 666
Payá, M. J. 922
Peeters, Johan E. 483
Pence, Danny B. 885
Perea, A. 371
Pert, B. 816
Phalen, David N. 822
Pillai, Suresh D. 598
Pizarro, Manuel 184, 385
Porter, A. S. 78
Poston, R. P. 666
Potter, Andrew A. 708
Pruett, S. B. 542
Puette, M. 515
Pumarola, M. 197

R

Radin, M. J. 151
Radzevicius, Jane 211
Ramis, A. 197
Rath, N. C. 744
Readnour, Robin S. 501
Reed, W. M. 78, 325, 548, 873
Rehmtulla, Abdul J. 193
Répérant, J. M. 832
Resurreccion, R. S. 304
Richard, J. L. 660
Ricke, Steven C. 598
Ricken, William L. 861
Ricks, C. A. 755
Riddell, Craig 708
Rijnberk, A. 428, 435
Rimler, Richard B. 778
Riva, Jose 694
Rodenburg, J. 16
Rodgers, S. J. 866
Rodriguez, Antonio 385
Rohde, Christopher 626
Rottinghaus, G. E. 738
Rowe, D. 755
Rowland, George N. (G. N.) 172, 184, 385
Ruiz de Gopegui, R. 454
Rukwava, John 626

S

Sacco, R. E. 33
Saif, Y. M. 33, 409
Sander, Jean E. (J. E.) 172, 350, 393
Sanders, J. 37
Sandoval, V. E. 361, 672
Sanford, S. Ernest 193
Sato, Shizuo 282, 717
Savage, P. K. 701
Scanlan, C. M. 297
Scaramozzino, Paola 642
Schat, K. A. 418
Schnitzlein, William M. 211
Schwartz, Roger D. 350
Scott, R. P. 161
Seki, R. 240
Sell, Jerry L. 86
Selleck, P. W. 103
Senne, Dennis A. 733
Settnes, Osvald Peter 1
Shalaby, Adel A. 22
Sharma, J. M. 16, 523
Shaw, D. 93
Shawky, Samia A. 409
Shiell, B. J. 103
Shirai, J. 240
Shivaprasad, H. L. 177, 630, 635, 914
Shryock, Thomas R. 501
Sierra, M. A. 647
Silkwood, T. G. 866
Silva, E. N. 269, 361
Silva, R. F. 446
Singh, Harmeet 910
Singh, N. 910
Siopes, T. D. 161
Sivanandan, V. 93
Skeeles, J. K. 744, 887
Slemons, Richard D. (R. D.) 22, 151
Smart, R. A. 390
Smith, Lynda G. 563, 572
Snyder, D. B. 701
Squires, E. J. 308, 379
Stahr, H. 738
Stewart, L. E. 293
Stram, Y. 879
Sumida, M. 772
Suresh, P. 225
Suzuki, Shoko 282, 717
Swayne, David E. (D. E.) 22, 151

T

Takagi, M. 361
Takahashi, Toshio 282, 717
Takehara, Kazuaki 810
Tamura, Yutaka 282
Tarradas, M. C. 371
Tate, C. R. 293
Taub, M. 329
Tawara, H. 772
Tellez, G. 59
Terzolo, H. R. 361, 672
Thayer, Stephan G. 605
Thoma, J. A. 755
Tonkinson, Lealon V. 501
Trampel, Darrell W. (D. W.) 86, 660, 895, 905
Tripathy, Deoki N. 211
Tsai, H. J. 33
Tucker, C. A. 158
Tully, Thomas N., Jr. (T. N.) 666, 822
Turner, Kathy R. 141

U

Ueda, Susumu 289

V

Vailas, A. C. 44
Vakharia, Vikram N. (V. N.) 244, 701
Van den Brom, W. E. 428, 435
van den Hurk, Jan V. 708
Vanhooser, S. L. 866
Vaughan, E. 816
Verlinden, Mark 483
Vidal, L. 461
Villegas, Pedro (P.) 184, 385, 589

W

Wages, Dennis P. 563
Walser, Mary M. 11
Waltman, W. Douglas 376
Wang, C. 334, 506
Wassenaar, T. 341
Watkins, K. L. 653
Watts, Trent 708
Weisman, Y. 879
Welsh, R. D. 866
Westerhof, I. 428, 435
Whitfill, C. E. 755
Williams, J. D. 329, 461
Wilson, J. L. 172
Wilson, K. I. 158

Wilson, Ronald B. 679
Witter, Richard L. (R. L.) 65, 446, 800
Woolcock, P. R. 188
Wooley, Richard E. 72, 127, 135, 141, 146
Wright, E. Pamela 616
Wyffels, Ria 483

Y

Yamaguchi, T. 269
Yazwinski, T. A. 158
Yoshimura, Masao 810
Yvore, P. 832

Z

Zheng, Y. Z. 361
Zhou, Raramai 621

Subject Index, 1994

A

AAAP awards 685
AAAP tributes
  Bankowski, Raymond A. 205
  Craig, Frank 209
  Snoeyenbos, Glenn 207
adenovirus
  group I, serotype 1 Indiana C experimental infection in bobwhite quail 325
  in ostrich 642
  in turkeys with hemorrhagic enteritis 647
  of egg drop syndrome, survival in composted chicken carcasses 733
  type II, immunohistochemical staining for detection 78
aflatoxin in mallard diet 738
aflatoxin B1, *in vitro* effects on chicken chondrocytes in culture 11
alphaviruses
  in chickens, experimental infection 572
  in turkeys, experimental infection *vs.* egg production 563
aracari, green, hepatic siderosis in 679
Ascaridia dissimilis associated with liver foci in turkeys 887
Ascaridia galli, fenbendazole *vs.* 350
Aspergillus flavus in Japanese quail 910
Aspergillus fumigatus
  keratitis in chicks with intraocular invasion 660
  in wild waterfowl 371
avian influenza virus
  highly pathogenic, survival in composted chicken carcasses 733
  in chickens, A/chicken/Alabama/7395/75 pathology 22, 151
  in turkeys, effect on systemic phagocytes and macrophages 93
avian pneumovirus, ELISA for 694
avian reovirus
  polypeptides characterized 244

B

bacitracin, effect on poults with stunting syndrome 86
backyard chicken flock management in Zimbabwe 626
baculovirus
  used to produce infectious bursal disease virus vaccine 701
  used to produce Newcastle disease virus vaccine 772
bentonite in diet *vs. Mycoplasma gallisepticum* 501
blood glucose levels in normal broiler chicks 861
book review, *Raptor Biomedicine* 397
Bordetella avium
  hemagglutination and motility mutants 50
  hemagglutinin characterization using MAbs 218
  mucosal and systemic humoral immune response in turkeys 225

C

Campylobacter jejuni immune response in chickens 341
capsaicin, effect on broiler growth and *Salmonella enteritidis* susceptibility 329
cardiomyopathy in turkeys, effect of early protein restriction on 366
ceca
  bilateral duplication in chicken 201
  spirochetosis in 895
Chlamydia antibody test for cockatiels 822
Chlamydia psittaci in wild waterfowl 371
chlamydial elementary body agglutination antigen used to detect antibodies in avian sera 822
chlamydiosis in commercial rheas 666
circovirus in pigeon bursae 635
Clostridium perfringens in turkeys with coccidiosis 177
cobalt toxicity in chicken 308
coccidiosis and necrotic enteritis in turkeys 177
  see also Eimeria
cockatiels, elementary body agglutination for *Chlamydia* 822
cormorants, neurotropic velogenic Newcastle disease virus in 873
corticosterone, plasma concentrations in pigeons 428, 435
cryptosporidiosis in Georgia broilers 358
Cryptosporidium baileyi
  immune response in chickens 832
  see also cryptosporidiosis
Cryptosporidium parvum
  immune response in chickens 832
  see also cryptosporidiosis
cysteine in diet to induce tibial dyschondroplasia in chicks 557

D

dewlap (neck skin) test to assess cell-mediated immune response 161
diazinon toxicity in broilers 393
duck
  mallard, dietary mycotoxins in 738
  mallard, hemosporid parasitism in 885
  muscovy, parvovirus in 810
duck plague virus in wild waterfowl 371

E

eagles, herpesvirus hepatitis in 197
eastern equine encephalitis virus
  in chickens, pathogenicity study 572
  in turkeys, effect on egg production 563
egg drop syndrome, survival of adenovirus in composted chicken carcasses 733
Eimeria
  anticoccidials evaluated for protection 483
  Sephadex evaluated for protection 538
Eimeria acervulina vs. chickens, mitogen-induced lymphocyte proliferation associated with infection 262
Eimeria tenella vs. chickens
  effect on resistance to *Salmonella typhimurium* colonization 59
  immune response of splenocytes 418
encephalomalacia in turkeys 653
enzyme-linked immunosorbent assay for avian pneumovirus 694
Escherichia coli
  avirulent mutant characterized 146
  cloned virulence genes evaluated 127
  effect of F1 fimbrial antigens on colonization 231
  in turkeys with hemorrhagic enteritis virus infection 708
  intestinal colonization in chicks 141
  macrophage phagocytic and oxidant activities 135
Eubacterium tortuosum in chicken spleen and liver 605

F

fenbendazole *vs. Ascaridia galli* 350
filariasis in pigeon with trichomoniasis 385
fowl cholera *see Pasteurella multocida*
fumonisin mycotoxicosis in chickens 454

G

glomeruli examined in chicken kidneys at slaughter 516
glucocorticoids in pigeons 435
green-liver osteomyelitis in turkeys 744
guidelines for authors 203, 399, 682, 928
guinea fowl, experimental infection with ostrich adenovirus 642

H

Haemophilus paragallinarum
  chicken isolates characterized 269
  immunization with killed bacterin 289
  isolated in outbreak in Argentina 672
  MAbs *vs.* 361
head-associated lymphoid tissue, effect of infectious bronchitis virus vaccine on 847
helminth infection in broilers 158
hemorrhagic enteritis in turkeys
  effect of infection on turkey susceptibility to *Escherichia coli* 708
  field outbreak described 647
  marble spleen virus vaccine *vs.* 523
hemosporid parasitism in mallards 885
hepatic hemosiderosis in green aracari 679
hepatic lipidosis in turkeys 379
herpesvirus hepatitis in eagles 197
herpesvirus of turkeys *see* turkey herpesvirus
Highlands J virus experimental infections
  in chickens, pathogenicity study 572
  in turkeys, effect on egg production 563
hyperglycemia and hypoglycemia defined in broiler chicks 861
hypothalmic-pituitary-adrenal system, sensitivity to glucocorticoids in pigeons 435

I

infectious bronchitis virus
  in chickens
    effect of inoculation site on efficacy of combined vaccine 857
    vaccine effect on head-associated lymphoid tissue 847
  pathogenicity of field isolates evaluated *in vivo* 589
infectious bursal disease virus
  antibody titers correlated with protection 251
  cross-protection by recombinant vaccine 701
  invert soap *vs.* 240
  phenotypic expression in lymphocytes 16
  polymerase chain reaction for detection 879
  strain differentiation using restriction enzymes 531
  thymic lesions in infected chickens 839
  titering with MTT dye and virus-neutralization assay 755
infectious coryza
  outbreak in Argentina 672
  see also Haemophilus paragallinarum
infectious laryngotracheitis virus
  DNA probe for diagnosis 467
  in broilers 188
  propagation in three avian cell lines 211
  serological study using ELISA 304
influenza virus *see* avian influenza virus
intestinal diverticulum in a turkey 184

K

kidneys examined in slaughtered chickens 515
Klebsiella pneumoniae in green aracari 679

L

liver foci in commercial turkeys 887

M

macaw, *Penicillium cyclopium* in 922
mannose, effect on *Salmonella typhimurium*-mediated loss of mucosal epithelial integrity 275
marble spleen disease virus as turkey hemorrhagic enteritis virus vaccine 523
Marek's disease virus
  cytogenic analysis of cell lines 797
  vaccine
    B-haplotype, influence on efficacy 65
    bivalent, interaction between MDV and turkey herpesvirus 800
Mycoplasma anatis in wild waterfowl 371
Mycoplasma gallisepticum
  dietary bentonite and tilmicosin *vs.* 501
  F-strain surface epitope expression 494
  in chukar partridge, pheasant and peafowl 914
  isolates characterized to monitor F-strain spread 475
  two strains differentiated using MAbs 542
Mycoplasma iowae in commercial turkey poults 905
mycotic keratitis with intraocular invasion in chicks 660
mycotic salpingitis in Japanese quail 910
mycotoxins in mallard diet 738

N

necrotic enteritis and coccidiosis 177
nematodes in pigeon with trichomoniasis 385
Newcastle disease virus
  field isolates compared using antipeptide antibodies 103
  in chickens
    effect of inoculation site on immune response to combined vaccine 857
    effect of negative air ion enrichment on transmission 725
    vaccine produced using baculovirus 772
  in cormorants 873
  in turkeys, vaccine studies 33
  in wild waterfowl 371
nutritional encephalomalacia in turkeys 653

O

obituaries *see* AAAP tributes
oculofacial respiratory disease ("so-called swollen heads") 376
ophthalmitis in chicks associated with *Aspergillus fumigatus* 660
  see also Staphylococcus
ostrich
  adenovirus associated with suspected pancreatitis 642
  fibroblasts used to propagate stock avian viruses 866
  serum immunoglobulins characterized 616
  susceptibility to poultry pathogens 621
  zygomycosis in 630

P

partridge, *Mycoplasma gallisepticum* in 914
parvovirus in Muscovy ducks 810
Pasteurella anatipestifer
  avian isolates characterized 269
  in wild waterfowl 371
Pasteurella multocida
  adjuvant effect on antibody response 354
  antigens identified *in vivo* 334
  cross-protection factors, purification of 778
  enrichment procedure for isolation 317
  in chickens, cross-protection by antisera 506
  in turkeys
    attempted Schwartzman reaction characterized 790
    cutaneous infection 390
    invasiveness for epithelial cells 72
    vaccine studies 33
peafowl, *Mycoplasma gallisepticum* in 914
Pelecitus sp. in pigeon 385
Penicillium cyclopium in macaw 922
pheasant, *Mycoplasma gallisepticum* in 914
pigeon
  circovirus-like bursal inclusions 635
  diurnal rhythms of plasma corticosterone 428, 435
  Pelecitus sp. in 385
Pneumocystis carinii in lungs of various avian species in Denmark 1
pneumovirus, ELISA for 694
pododermatitis in broiler breeders housed on pressure-treated slats 172
polymerase chain reaction
  developed for *Salmonella* 119
  for detecting infectious bursal disease virus 879
proventriculitis in ostrich chicks 630

Q

quail
  bobwhite, experimental Indiana C adenovirus infection in 325
  Japanese
    aspergillosis in 910
    leukocyte response to Rous sarcoma 610
quail bronchitis virus, pathogenesis of 548

R

Raptor Biomedicine, book review 397
reovirus
  in American woodcock 899
  see also avian reovirus
reticuloendotheliosis virus assay 165
rheas
  chlamydiosis in 666
  tuberculosis in 193
rotavirus in turkeys, transfer of maternal anti-rotavirus IgG 409

Rous sarcoma virus in quail, leukocyte response to 610

S

Salmonella
drag-swab sampling 461
polymerase chain reaction developed for 119
skim milk as saturating medium for drag-swab screening 293
Salmonella enteritidis
antibiotics and anticoccidials *vs.* 256
capsaicin *vs.* 329
cecal cultures *vs.* 297
horizontal transmission and effect of stress on shedding 282
in chickens, gross and microscopic lesions 816
isolation from layer flocks implicated in human outbreaks 37
oil-emulsion vaccine *vs.* 717
Salmonella typhimurium in chickens
effect of *Eimeria tenella* on chicken resistance 59
effect of mannose on loss of mucosal epithelial integrity 275
rapid screening method in cecal microbial consortium 598
role of lipopolysaccharide in intestinal colonization 401
transmission during hatch 583
Sephadex *vs. Eimeria* spp. 538
Shwartzman reaction in turkey poults 790
spirochetosis, cecal, in chickens 895
Staphylococcus, role of capsular polysaccharides in determining serotype 762
stunting syndrome in poults, effect of bacitracin on 86
swollen heads in broilers 376
synovitis *see* staphylococcus

T

T-2 toxin in mallard diet 738
tetrazolium salt in virus-neutralization assay 755
thymic lesions associated with infectious bursal disease in chickens 839
tibial dyschondroplasia in chickens
effect of diet on non-reducible cartilage cross-linking 44
histology of lesions in chicks fed cysteine 557
tilmicosin in diet *vs. Mycoplasma gallisepticum* 501
trichomoniasis with associated filariasis in pigeon 385
tuberculosis in rheas 193
turkey herpesvirus
in chickens, glycoprotein B expression 446
in Marek's disease virus bivalent vaccine 800
turkey osteomyelitis complex 744

V

ventriculitis in ostrich chicks 630
virus-neutralization assay using tetrazolium salt MTT 755

W

woodcock, reovirus in 899

Z

zygomycosis in ostrich chicks 630